

# ENGINEERING CHANGE NOTICE

## DART AEROSPACE LTD

Date:	15.03.24	Job No.:		ADR Yes/No:	N	ADR Date:		ECN #:	15- 532
Product No.:	D350-578	Created By:	VS	Approved By:					
Product Name:	Bearpaws	Checked By:							

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
Director of Operations	Y	NF	AF 15/04/06
Production Manager / Coord.	Y	LL/MF	AF 15/05/27
Purchasing Coord.	N	CL	
Production Engineering Coord.	Y	DD/JLM	AA 15-03-27
Production Engineering Coord.	N	DL	
Customer Order Processing	N	SL/BG	

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
DQA / QA Coord.	Y	PS/ED	h 15/03/27
QC Coordinator	Y	PD	15-03-27
Customer Support	Y	SW/LM	15-03-27
Customer Technical Support	Y	MB/HS	15-03-27
Marketing	N	KO/SL	
Sales Support Manager	N	CP	

**Reason for Change:**  
Bearpaw cushions rotating under clamps, ref NCR14-3521, PAR14-331, PAR14-368

**Documents Affected:**  
ICA-D350-578 Rev. 3, D350-578 Rev. H, D4011 Rev. C, D4012 Rev. C

IF APPLICABLE: NCR: 14-3521 PAR: 14-331/-368 CAR: CIR: URF: 15-532

PAPERWORK UPDATE ☒

PARTS MUST COMPLY ☒

PREVIOUS PARTS SATISFACTORY ☐

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3	Notify Augusta Westland	N			
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
1	Required Documents/Drawings/Item ID's Under Review (URF)	Y	VS	URF15-532	15.02.23 VS
6	Update Master Document List (MDL)	Y	VS	MDL-D350-578 Rev. I	15.03.12 VS
7	Update Document Record (DR)	N		MDL-D206-582 Rev. R	15.04.20 VS
8	Update Product Compatibility Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
10					

#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	Y	KJ		15.03.30
12	Update Product Specification Files (Bluefiles)	Y	KJ		15.03.26
13	Update Approved/Preliminary Dwg PDF Files	Y	KJ		15.03.26
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	Y	KJ		15.03.26
17	Update / Verify Airworthiness Release Certificate Database	Y	KJ	#17 & 27	15.03.26
18	Create / Update Change Record Form / Item Card Database	Y	KJ	SEE BELOW	15.04.20
19	Create / Update Packaging Process Plan (PPP)	Y	KJ		15.01.2008
20	Red Decals required on Packaging Process Plan (PPP)?	N		New D350-111/113/115/117/121 kits	15.03.30
21	Update Controlled Supplier Documents (Qpulse) Database	N			
22	Update Grey Project Binder / Electronic Project Folder	Y	KJ		15.03.26
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	Y	KJ		15.03.26
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	N			
25					

### Description / Action:

-Update D350-578 kits in stock per D350-578 Rev. H (new hardware)  
-Create routings for new D350-578-111/113/115/117/121 kits @ CHG001

D350-578-011/-021 @ CHG006

D350-578-013/-015/-017 @ CHG002

D350-578-031 @ CHG003

D407-559-113 @ CHG004, D407-559-115 @ CHG002, D519689-011 @ CHG002

Added 15.04.20

ECN Verified & Complete:

Date: 18/4/6

# ENGINEERING CHANGE NOTICE

## DART AEROSPACE LTD

Date: 15.03.24 Job No.: ADR Yes/No: N ADR Date: ECN #: 15- 532  
 Product No.: D350-578 Created By: VS Approved By: *[Signature]*  
 Product Name: Bearpaws Checked By: *[Signature]*

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
Director of Operations	Y	NF	
Production Manager / Coord.	Y	LL/MF	
Purchasing Coord.	N	CL	
Production Engineering Coord.	Y	DD/JLM	
Production Engineering Coord.	N	DL	
Customer Order Processing	N	SL/BG	

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
DQA / QA Coord.	Y	PS/ED	
QC Coordinator	Y	PD	
Customer Support	Y	SW/LM	
Customer Technical Support	Y	MB/HS	
Marketing	N	KO/SL	
Sales Support Manager	N	CP	

### Reason for Change:

Bearpaw cushions rotating under clamps, ref NCR14-3521, PAR14-331, PAR14-368

### Documents Affected:

ICA-D350-578 Rev. 3, D350-578 Rev. H, D4011 Rev. C, D4012 Rev. C

IF APPLICABLE: NCR: 14-3521 PAR: 14-331 CAR: CIR: URF: 15-532

PAPERWORK UPDATE ☒

PARTS MUST COMPLY ☒

PREVIOUS PARTS SATISFACTORY ☐

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3	Notify Augusta Westland	N			
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
5	Required Documents/Drawings/Item ID's Under Review (URF)	Y	VS	URF15-532	#16 15.02.23 VS
6	Update Master Document List (MDL)	Y	VS	MDL-D350-578 Rev. I	#16 15.03.12 VS
7	Update Document Record (DR)	N			
8	Update Product Compatability Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
10					

#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	Y	KJ		
12	Update Product Specification Files (Bluefiles)	Y	KJ		15.03.26
13	Update Approved/Preliminary Dwg PDF Files	Y	KJ		15.03.26
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	Y	KJ		15.03.26
17	Update / Verify Airworthiness Release Certificate Database	Y	KJ	#17	15.03.26
18	Create / Update Change Record Form / Item Card Database	Y	KJ		
19	Create / Update Packaging Process Plan (PPP)	Y	KJ		
20	Red Decals required on Packaging Process Plan (PPP)?	N		New D350-111/-113/-115/-117/-121 kits	
21	Update Controlled Supplier Documents (Qpulse) Database	N			
22	Update Grey Project Binder / Electronic Project Folder	Y	KJ		15.03.26
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	Y	KJ		15.03.26
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	N			
25					

### Description / Action:

-Update D350-578 kits in stock per D350-578 Rev. H (new hardware)

-Create routings for new D350-578-111/-113/-115/-117/-121 kits @ CHG001

D350-578-011 in STK @ chg001

D350-578-013 0 STK

D350-578-015 0 STK

D350-578-017 3 STK

# Rework 132186

SWAP D4012 Rev B - 131217  
 D4011 - 131218

D4011-3 - 131240

D4011-5 131241

MR 15-501

ECN Verified & Complete:

Date:

D350-578-001 # Rework 5 STK 132208

# List Lots

April-01-15 12:38:42 PM

Page 1 of 1

Criteria : Item ID: 'D350-578-011', 'D350-578-017', 'D350-578-021', 'D350-578-031' All Locations All Warehouses All Quantity							
Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt Lot Code	Type Code	Comments
D350-578-011 Bearpaw Installation	Main Warehouse FG013	128308	4/01/15	1.0000	QC21	CHG005	
			<b>Total:</b>	1.0000			
D350-578-017 Bearpaw Installation, Flat Top - Run-on landing wearplate compatible	Main Warehouse FG070	129337	3/09/15	3.0000	QC21	CHG001	
			<b>Total:</b>	3.0000			
D350-578-021 Bearpaw Installation - Narrow	Main Warehouse FG012	106050	6/06/14	4.0000	QC21	CHG005	
	Main Warehouse FG012	109953	6/06/14	1.0000	QC21	CHG005	
			<b>Total:</b>	5.0000			
D350-578-031 Bearpaw Wearplate Installation	Main Warehouse FG128	129745	4/01/15	1.0000			
			<b>Total:</b>	1.0000			

SEN 15 532

## Linda Lacelle

---

**From:** David Shepherd  
**Sent:** March-30-15 6:43 PM  
**To:** Linda Lacelle; Victoria Seib  
**Cc:** Jean-Luc Menard; Kim Johnston  
**Subject:** RE: D350-578 (ECN 15-532)

JL,

I agree with Victoria that the -011/-013/-015/-017/-021/-031 kits need to go up a change number because the hardware (clamps/cushions/bolts) are all changing.

Regards,  
David

---

**From:** Linda Lacelle  
**Sent:** March-30-15 3:12 PM  
**To:** Victoria Seib  
**Cc:** Jean-Luc Menard; David Shepherd; Kim Johnston  
**Subject:** Re: D350-578 (ECN 15-532)

I also need to know if the other kits i sent you today are affected pls

L

Sent from my iPhone

On Mar 30, 2015, at 5:10 PM, Victoria Seib <[vseib@dartaero.com](mailto:vseib@dartaero.com)> wrote:

I believe you are correct JL, the old kits should go up a change and the new kits should be at chg 001. Once David has a chance, he may be able to correct me if I am wrong.

Victoria

---

**From:** Jean-Luc Menard  
**Sent:** Monday, March 30, 2015 11:29 AM  
**To:** David Shepherd; Victoria Seib  
**Cc:** Kim Johnston  
**Subject:** D350-578 (ECN 15-532)

Hi David/Victoria,  
The ecn mentions that the -111/-113/-115/-117/-121 will be at chg 001.  
Will the other kits be going up a change #?(-011/-013/-015/-017/-021/-031).  
Let me know  
JL

**Jean-Luc Ménard**  
*Production Engineering Supervisor*

**DART AEROSPACE**  
**T** 1 613 632-5200 > 227  
**F** 1 613 632-5246  
**1 800 556- 4166**  
[www.dartaerospace.com](http://www.dartaerospace.com)

<image001.png>

# List Lots

March-30-15 1:29:35 PM

Page 1 of 1

Criteria : Item ID: 'D4011-1', 'D4011-3', 'D4011-5' All Locations All Warehouses All Quantity

Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt	Type Code	Comments
D4011-1 Clamp, Short	Main Warehouse ST542	119425 114217-2 113078-3	3/13/15	3.0000	QC21		
Total:				3.0000			
D4011-3 Clamp, Long	Premier Mezz	53833	11/27/13	8.0000	QC21		
	Premier Mezz	53979	11/27/13	34.0000	QC21		
Total:				42.0000			
D4011-5 Clamp, Short	Main Warehouse ST544	108458	1/08/15	31.0000	QC21		
Total:				31.0000			

647.960

131213 D4011-1  
WIP

(9)

131218

131240

131241

011  
002  
101  
201  
5500  
6500

477,600

870,000

647.5901 8906

50 D3284009  
8708.21 0000  
8803.30.030